

# Robert S Allen

## List of Publications by Year in descending order

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Version: 2024-02-01

17  
papers

1,410  
citations

687363

13  
h-index

940533

16  
g-index

17  
all docs

17  
docs citations

17  
times ranked

1617  
citing authors

#	ARTICLE	IF	CITATIONS
1	Genetic analysis reveals functional redundancy and the major target genes of the <i>Arabidopsis</i> miR159 family. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 16371-16376.	7.1	290
2	RNAi-mediated replacement of morphine with the nonnarcotic alkaloid reticuline in opium poppy. <i>Nature Biotechnology</i> , 2004, 22, 1559-1566.	17.5	268
3	The MicroRNA159-Regulated <i>GAMYB</i> -like Genes Inhibit Growth and Promote Programmed Cell Death in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2010, 154, 757-771.	4.8	263
4	Increasing morphinan alkaloid production by over-expressing codeinone reductase in transgenic <i>Papaver somniferum</i> . <i>Plant Biotechnology Journal</i> , 2007, 5, 26-37.	8.3	107
5	Expression of 16 Nitrogenase Proteins within the Plant Mitochondrial Matrix. <i>Frontiers in Plant Science</i> , 2017, 8, 287.	3.6	87
6	MicroR159 regulation of most conserved targets in <i>Arabidopsis</i> has negligible phenotypic effects. <i>Silence: A Journal of RNA Regulation</i> , 2010, 1, 18.	8.1	74
7	Metabolic engineering of morphinan alkaloids by over-expression and RNAi suppression of salutaridinol 7-O-acetyltransferase in opium poppy. <i>Plant Biotechnology Journal</i> , 2007, 6, 070913011353001-???	8.3	68
8	Transformation of opium poppy ( <i>Papaver somniferum</i> L.) with antisense berberine bridge enzyme gene (anti-bbe) via somatic embryogenesis results in an altered ratio of alkaloids in latex but not in roots. <i>Transgenic Research</i> , 2004, 13, 607-613.	2.4	66
9	Genetic transformation in commercial Tasmanian cultivars of opium poppy, <i>Papaver somniferum</i> , and movement of transgenic pollen in the field. <i>Functional Plant Biology</i> , 2003, 30, 1045.	2.1	41
10	Seed-specific RNAi in safflower generates a superhigh oleic oil with extended oxidative stability. <i>Plant Biotechnology Journal</i> , 2018, 16, 1788-1796.	8.3	40
11	Facile mutant identification via a single parental backcross method and application of whole genome sequencing based mapping pipelines. <i>Frontiers in Plant Science</i> , 2013, 4, 362.	3.6	29
12	Insights into Nitrogenase Bioelectrocatalysis for Green Ammonia Production. <i>ChemSusChem</i> , 2020, 13, 4856-4865.	6.8	28
13	Plant expression of NifD protein variants resistant to mitochondrial degradation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 23165-23173.	7.1	19
14	A Synthetic Biology Workflow Reveals Variation in Processing and Solubility of Nitrogenase Proteins Targeted to Plant Mitochondria, and Differing Tolerance of Targeting Sequences in a Bacterial Nitrogenase Assay. <i>Frontiers in Plant Science</i> , 2020, 11, 552160.	3.6	14
15	Pollination biology of oilseed poppy, <i>Papaver somniferum</i> L.. <i>Australian Journal of Agricultural Research</i> , 2005, 56, 483.	1.5	12
16	Opium Poppy ( <i>Papaver somniferum</i> ). , 2006, 344, 383-391.		2
17	Genetic and Molecular Approaches to Assess MicroRNA Function. <i>Signaling and Communication in Plants</i> , 2012, , 123-148.	0.7	2